

New and known thienyl urea or isourea derivs. - used as animal growth promoters

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Abstract (Basic): DE 3529247 A

(A) Thienyl (iso)ureas of formula (Ia) are new $n = 3-6$; $A = N(R_4)CONR_5R_6$ or $N(R_4)C(OR_5)=NR_6$; $R^3 = (a)$ CN, COOR⁷, CONR⁸R⁹ or COR¹⁰ when $n = 3, 5$ or 6 , or (b) COOMe, (2-4C alkenyloxy)carbonyl, CONR⁸R⁹ or COR¹⁰ when $n = 4$; $R_4 = H$ or alkyl; R_5 and $R_6 = H$, opt. substd. alkyl, cycloalkyl, alkenyl, opt. substd. aryl or heteroaryl; $R_7 = H$, opt. substd. alkyl, cycloalkyl, alkenyl or opt. substd. aryl; $R_8 = H$, alkyl or cycloalkyl; $R_9 = H$, opt. substd. alkyl or opt. substd. aryl; $R_{10} =$ opt. substd. alkyl or opt. substd. aryl.

(B) Thienyl isocyanates of formula (II) are also new, except for 3-methoxycarbonyl -2-thienyl isocyanate; R_1 and $R_2 = H$, halogen, NO₂, CN, alkoxy, alkylthio, haloalkoxy, haloalkylthio, alkoxyalkyl or opt. substd. alkyl, acyl, aroyl, or aryl, or R_1+R_2 forms an opt. substd. satd. or unsatd. carbocyclic ring opt. with a carbonyl function; $R^3 =$ COOR⁷, CONR⁸R⁹ or COR¹⁰; $R^7 = H$, opt. substd. methyl, cycloalkyl, 2-4C alkenyl or opt. substd. aryl.

USE - Use of thienyl (iso)ureas of formula (I) is 'animal productivity promoters' (specifically growth promoters) is claimed. $R^3 =$ CN, COOR⁷, CONR⁸R⁹ or COR¹⁰. (79pp Dwg.No.0/0)

Abstract (Equivalent): EP 202538 B

Use of thienylureas or -isoureas of the formula (I) in which A represents the radicals (Ia) and (Ib) R_1 represents hydrogen, halogen, nitro, CN, alkoxy, alkylthio, halogenoalkoxy, halogenalkylthio, alkoxyalkyl or optionally substituted radicals from the group comprising alkyl, acyl, aroyl, and aryl, R_2 represents hydrogen, halogen, nitro, CN, alkoxy, alkylthio, halogenoalkoxy, halogenalkylthio, alkoxyalkyl or optionally substituted radicals from the group comprising acyl, aroyl, alkyl and aryl, or R_1 and R_2 , together with the adjacent C atoms, represent an optionally substituted saturated or unsaturated carbocyclic or heterocyclic ring, which can optionally carry a carbonyl function, R_3 represents the radicals CN, COOR⁷, COONR⁸R⁹ or COR¹⁰, R_4 represents hydrogen or alkyl, R_5 represents, optionally substituted alkyl, cycloalkyl, alkenyl, optionally substituted aryl or heteroaryl, R_6 represents hydrogen, optionally substituted alkyl, cycloalkyl, alkenyl, optionally substituted alkyl, cycloalkyl, alkenyl, or optionally substituted aryl, R_8 represents hydrogen, alkyl or cycloalkyl, R_9 represents hydrogen, optionally substituted alkyl or optionally substituted aryl and R_{10}

represents optionally substituted alkyl or optionally substituted aryl,
as growth-promoting agents for animals. (33pp)